Rocket and weapon technology service in the command MB

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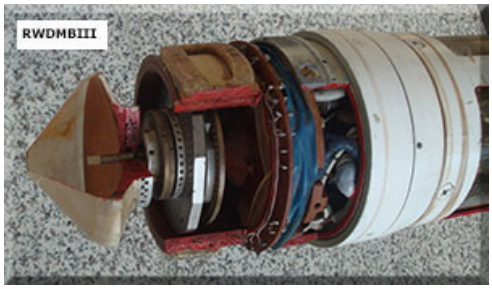
technique catalogue

R-3R air-to-air missile

General view of the



target
seeker steering head (Photo: by Ciacho5, via Wikimedia Commons)

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Purpose:
Guided air-to-air missile with radio measuring head for short distances
Use of aircraft equipped with the radio measuring sight RP-22

techn. Data:
- Length: 3417 mm
- Fuselage diameter: 127 mm
- Wingspan: 528 mm
- Mass: 83.5 kg
- Mass of combat part: 11.3 kg
- Number of fragments: approx. 1000
- Igniters: radio proximity and impact igniters
- Drive : solid fuel engine
- range: 8.7 km
- guidance system: Funkmeß semi-active
- guidance method: proportional approa
- launch rail: AP-13U2

use:
MiG-21S, MiG-21SM, MiG-21SMT, MiG-21ST,
MiG-21bis, MiG-23S, MiG-23MS Numbe

list: 30 40 00 (product 320)

homing head

the klystron is good to see

Detailed photos of the wings with the gyro control surfaces (Photos: ostron.de)

Source: Fligerrevue 6/1991

Photos taken in the Air Force Museum of the Federal Armed Forces in Gatow and in the Telephone and Rocket Museum in the municipality of Pinnow